

WHAT IS CLAIMED IS:

1. A horizontal deflection coil for a deflection yoke, comprising:

5        an inner pincushion improving section connected to a screen bent, and sub-sections connected to the inner pincushion improving section;

         wherein the inner pincushion improving section is disposed in an angular range of 45 to 60 degrees, and the sub-  
10        sections include a Horizontal Color Registration (HCR) improving section for preventing a horizontal component of a green color from being widened and a Vertical Color Registration (VCR) improving section for preventing a vertical component of the green color from being widened.

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         2. The horizontal detection coil according to claim 1, wherein the HCR improving section is connected at its first screen-side end to the screen bent and connected at its second end to the inner pincushion improving section, and the VCR  
20        improving section is connected at its first, screen-side end to a position where the inner pincushion improving section and the screen bent are connected to each other and connected at its second end to another adjacent section.

25        3. The horizontal detection coil according to claim 2,

wherein the HCR improving section is connected at the second end to a position corresponding to one-half to two-thirds of a length of the inner pincushion improving section.

5           4. The horizontal detection coil according to claim 2 or 3, wherein the VCR improving section is formed to be parallel to the HCR improving section.

          5. The horizontal detection coil according to claim 1,  
10 wherein a number of turns of wires of the inner pincushion improving section is greater than a sum of numbers of turns of wires of HCR and VCR improving sections.

          6. A deflection yoke, comprising:  
15           a horizontal deflection coil provided with an inner pincushion improving section, a HCR improving section for preventing a horizontal component of a green color from being widened, and a VCR improving section for preventing a vertical component of the green color from being widened, the HCR and  
20 VCR improving sections being sub-sections;

          wherein an inner pincushion correction module for correcting inner pincushion is omissible.

          7. The deflection yoke according to claim 6, wherein the  
25 inner pincushion improving section is disposed in an angular

range of 45 to 60 degrees, the HCR improving section is connected at a first screen-side end to a screen bent and connected at a second end to the inner pincushion improving section, and the VCR improving section is connected at a first  
5 end to a position where the inner pincushion improving section and the screen bent are connected to each other and connected at a second end to another adjacent section.

8. The deflection yoke according to claim 7, wherein the  
10 HCR improving section is connected at the second end to a position corresponding to one-half to two-thirds of a length of the inner pincushion improving section.

9. The deflection yoke according to claim 7 or 8, wherein  
15 the VCR improving section is formed to be parallel to the HCR improving section.

10. The deflection yoke according to claim 6, wherein a number of turns of wires of the inner pincushion improving  
20 section are greater than a sum of numbers of turns of wires of HCR and VCR improving sections.